

Appln No. 09/922,158
Amdt. Dated May 10, 2005
Response to Office Action of March 22, 2005

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.- 9. (Cancelled)

10. (Currently amended) A printing cartridge that is releasably engageable with a printing device having a linear reader for reading a barcode ~~and a central processor capable of interpreting data carried on a barcode, and a drive mechanism for driving a feed mechanism of a printing cartridge,~~ the printing cartridge comprising

a housing that defines a media exit opening;

media and media colorant supply arrangements enclosed within the housing and containing a supply of media and a supply of media colorant, respectively;

a ~~media feed mechanisms~~ mechanism positioned within the housing for feeding the media from the media exit opening to a printing mechanism ~~and the media colorant to the printing mechanism,~~ the media feed mechanism being engageable with a drive mechanism of the printing device; and

a barcode depicted on the housing, the barcode being readable by the linear reader and defining a code representing data relating to the media and the media colorant.

11. (Original) A printing cartridge as claimed in claim 10, in which the barcode is positioned on the housing so that the linear reader of the printing device reads the barcode during engagement of the printing cartridge with the printing device.

12. (Original) A printing cartridge as claimed in claim 10, wherein the code defined by the barcode represents data related to at least one of: a serial number identifying the media, a serial number identifying the media colorant, a length of the media, a type of the media, a viscosity of the media colorant, a surface tension of the media colorant, optical characteristics of the media colorant and an optimal ink drop volume of the media colorant corresponding to the type of media.

13.-18 (Cancelled)

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19. (Previously amended) A printing device which comprises

a body, a printing cartridge being engageable with the body, the printing cartridge having a housing that defines an exit opening, media colorant and media supply arrangements enclosed within the housing and containing a supply of media and media colorant and a media feed mechanism positioned in the housing for feeding the media from the exit opening to a printing mechanism and a media colorant feed mechanism for feeding the media colorant to a the printing mechanism, respectively, a barcode being depicted on the housing and defining a code representing data relating to the media colorant and the media;

a drive mechanism that is engageable with the media feed mechanism when the printing cartridge is engaged with the body;

a processor positioned in the body to control operation of the feed mechanisms and the printing mechanism, the processor incorporating a memory module in which a lookup table is stored, the lookup table being accessible by the processor and containing codes representing data relating to the media colorant and the media and corresponding to possible codes defined by the barcode; and

a linear reader positioned in the body to read the barcode and to provide the processor with said code.

20. (Original) A printing device as claimed in claim 19, in which the linear reader comprises a barcode scanner and the processor includes a scanner interface connected to the barcode scanner to interpret a signal received from the barcode scanner into said code.

21. (Cancelled)